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MISCELLANÉES

Rongorongo Glyphs Clarify Easter Island Rock Drawings

par Sergei V. RJABCHIKOV *

Many Easter Island (Rapa Nui) rock drawings (petroglyphs) can be understood taking into account the readings of the *rongorongo* records of the famous « talking boards » only. This article is devoted to the study of a new portion of the Rapanui petroglyphs. In deciphering the *rongorongo* glyphs I use my own classification and translation scheme (Rjabchikov, 1987: 362-363, fig. 1 ; 1993a : 126-127, fig. 1 ; 1993b : 23, fig. 1 ; 1994 : 8, fig. 6 ; 1995a : 5, figs 12 and 17 ; 1997-2001). Besides, I always take into consideration the vocabularies and rules of alternating sounds of the Polynesian languages.

1. Two fishlike creatures are depicted at Ahu Ra'ai (Lee 1992: 90, figure 4.75). They are a fish and a young one. Glyph **30** *ana* is incised on a large fish. This word means 'abundance', cf. Hawaiian *ana* 'to have enough or too much' (Rjabchikov, 2001). Two arcs (cf. Rapanui *tapa* 'side') represented between the two fish may denote indeed 'offspring' (cf. Rapanui *tapa* 'offspring').

2. G. Lee (1992 : 76, fig. 4.53) believes that large fish shapes depicted at Mahatua are difficult to identify as to species. Really, these are two fish, a Remora (*Echeneis*) and a tuna-like fish. The first fish identified by a sucker is named *paerati*, the second is named *kahi*, *pei* or *remo-remo* (cf. Randall and Cea Egaña, 1984 : 9 ; Métraux, 1940 : 173). Below the fish combination there is glyph **30** *ana* in which glyphs **39** and **4** are inscribed. I read the word *ana* 'to have enough or too much' as well as the word *rati*, i.e. *paerati* (cf. Rapanui *pae* 'enough', *paepae*, *paenga* 'boat', Maori *rato* 'to be served; to be distributed').

One can examine glyphs incised on a stone

sinker for net or line (Métraux, 1940 : 188, fig. 13b). I have distinguished three glyphs **149** *Hatuhatu* (epithets of the sun god *Makemake* *Tangaroa/Tiki/Tane*), glyphs **1 4** *Tiki atua* 'the deity *Tiki*' in combination with two glyphs **149** *Hatuhatu* as well as glyph **47** *ava* (cf. Rapanui *avaava* 'to lift'; on the other hand, this sign may depict a sucker) in combination with two words **39-4** (*pae*)*rati* 'the *paerati* fish'. It is known that according to Rapanui beliefs, the god *Makemake* was connected with the ocean and fishes (Rjabchikov, 1999a).

3. A fish-in-fish motif is incised at *Ava o Kiri* (Lee, 1992 : 78, fig. 4.58). Another fish-in-fish motif is also incised at the same panel (Van Hoek, 2000: 15, fig. 6). M. Van Hoek (2000 : 16) claims : « To the east, where the sun is 'born', there is the fish-in-fish motif that may be interpreted as a 'pregnant' sea animal representing the beginning of life, although a fish eaten by a larger fish is also a possible interpretation ».

I have investigated both pictures. The first figure (Lee, 1992 : 78, fig. 4.58) includes the fish-in-fish (shark-in-shark) motif, glyph **103** under it as well as glyph **41** and a fish above it. Interestingly, the shark inserted in the larger shark is associated with a crescent. I suppose that the moon design (cf. glyph **3** *hina* 'the moon', *Hina* 'the moon goddess') relates to the moon goddess *Hina*, as in the Hawaiian beliefs the goddess *Hina-puku-i'a* gives abundance of all the fishes (Beckwith, 1970 : 69). A sentence of the Creation chant can be cited as an example : « *Tinga-hae* by copulating with *Parararara-hiku-tea* produced the shark » (Métraux, 1940 : 321). The name *Tinga Hae/Hoe* means 'The paddle/

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hoarseness kills', it is an epithet of the moon goddess *Hina* (Rjabchikov, 1998-1999). The name *Para-rarara-hiku-tea* signifies 'The shine/the heat-the white tail' ¹.

Glyph **103** reads *pe* that compares with Tahitian *pe* 'ripe' and Rapanui *hakapee no kai hoao* 'abundance'. Glyph **41** *ere* presented in several Rapanui rock designs and *rongorongo* records (Rjabchikov, 1995b ; 1999b ; 2000a ; 2001) corresponds to Mangarevan *akaere* 'to recite genealogies; to show descent', Maori *rere* 'to be born', *reretahi* 'one child born at a birth' and Old Rapanui (*h*)*ere* 'child; descendant'.

So the script signs of the first motif have allowed to choose the following interpretation : the fish-in-fish denotes the « pregnant » fish only.

The second figure (Van Hoek, 2000 : 15, fig. 6) includes the fish-in-fish motif oriented east-west as well as glyph **30** *ana* crossing both fishes. The word *ana* means either 'abundance' or 'shine; east, the sun' ². It is well to bear in mind that the fish is the god *Tangaroa*'s symbol in the Maori mythology (Buck, 1966 : 439).

The tail of a tuna fish is depicted at *Pu Hakaniini Mako'i* (Lee, 1992 : 78, fig. 4.57). Glyph **30** *ana* is presented near this tail. Again, both interpretations — 'abundance' or 'shine; east, the sun' — are possible.

4. The tail of a tuna fish is depicted at *Hanga Oteo* (Lee, 1992 : 78, fig. 4.56). Glyph **149** *Hatu* 'The creator' is incised on this tail. I think that it is a symbol of the sun god (*Makemake*, *Tangaroa*, *Tane*, *Tiki te Hatu*).

5. A frigate bird, two faces as well as some other petroglyphs are incised at a cave on the islet *Motu Nui* (Lee, 1992 : 73, fig. 4.49). G. Lee (2000 : 112, fig. 6) interprets a part of this rock picture: « This frigate bird is in a cave shelter at *Motu Nui*. It seems to have a fish near its mouth and a *komari* below the right wing ». One can try to realise the whole plot. In fact, the vulva form *komari* (cf. glyph **64** *mea* 'red') and the fish (cf. glyph **12** *ika* 'fish') are depicted near the frigate bird (cf. glyph **44** *taha* 'frigate bird'). The fish is united with glyph **39** *ra'a* 'the sun'; a unique petroglyph is presented below the left wing. This

sign is a rectangle divided into four parts (one lengthwise rectangle and three cross ones). Since in some instances glyph **44** *taha* denotes the name of the tribe union *Te Kena* of the ruling tribe *Miru* (Rjabchikov, 1997a : 31), the strange rectangle may be an emblem of the tribe *Miru* (cf. the lengthwise rectangle) on which territory the tribes *Raa* 'The sun', *Hamea* (*Ha Mea*, i.e. *A Mea*) 'The red colour' and *Marama* 'The crescent (or the light)' lived (cf. the three cross rectangles). One can say with a fair degree of confidence that glyphs **64** *mea* 'red' and **39** *ra'a* 'the sun' are designations of the tribes *Raa* and *Hamea* in this context. The fish depicted near the frigate bird may reflect the fact that the highest-ranking clan *Miru* was 'sea' people (Gell, 1993 : 271).

The two masks (cf. glyph **60** *mata* 'face; eyes') denote the sun deity *Makemake/Tangaroa/Tiki/Tane* (Rjabchikov, 1996 : 142; 1997b). One of the masks is united with the ribs (cf. Rapanui *kavakava* 'rib') and with glyph **4** *atua* 'deity', cf. the name of the deity *Kava Aro* 'The Ribs — the Face/Day/Light' ³ (Rjabchikov, 1998a : 66). Glyph **149** *Hatuhatu* 'The creator' is presented near this fragment ; cf. Rapanui place name *Te Mata o Hotu* (Barthel 1962: 106) 'The face of the creator'.

The name *Kava Aro* is written down on the *Tahua* tablet (Ab 4), see fig. 1 : **4 32 138 26 50 115...** *atualua Kava maa hi taka* 'the deity/dwelling 'The Ribs — the Shine/the Sun' ...' ⁴. Interestingly, according to the Easter Islanders, this deity together with the deity *Kava Tua* lived in the regions of *Maunga Parehe* or *Ra'ai* (Englert, 1974 : 137 ; Heyerdahl, 1976 : 117). Both place names are associated with a fire and the sun ⁵.

6. As has been shown earlier (Rjabchikov, 2000a), signs carved on a hollow stone called the Trumpet of *Hiro* are connected with the personages of the Rapanui legend « *Hiva Kara Rere*, the god of the rain ». According to this story, *Tare* and *Tive* — the children of the god *Tiki* — could clash the winds. A priest asked the sun deity *Tiki* to hide his face; the priest also asked the rain deity *Hiva Kara Rere* to drive the clouds. The parallel plot is presented in the Samoan mythology (cf. Polinsky, 1986 : 314. : the winds

1. Cf. Rapanui *para* 'to heat', Maori *para* 'to shine clearly', Rapanui *rararara* 'to get warm; to become warm', *rara* 'side', Maori *rara* 'rib'.

2. Cf. Rapanui *anaana* 'shine; to shine; shining'.

3. Cf. Rapanui *aro* 'front; forehead; face', Maori *ao* 'day', *aro* 'to face, to turn towards', *aroaro* 'front', Tahitian *ao* 'day; light', *aro* 'front; face', Samoan *alo* 'front', *ao* 'head; day'.

4. Cf. Maori *ma* 'white, clean', *whakama* 'to make white', *hi* 'to dawn', *hihi* 'ray of the sun', Rapanui *taka* 'round; bright red'.

5. Cf. Rapanui *maunga* 'mountain', *parehaonga* 'special earth oven', *para* 'to heat', Maori *para* 'to shine clearly', Tahitian *he* 'crooked'. Rapanui *ra'ai* signifies 'the sun' (Liller, 1993 : 126). I believe that the place name *Parehe* is a reflex of the Rapanui legend about the chief (the sun god) *Tuki-hakahe-vari-ia-tohu* (Rjabchikov, 1997d : 209).

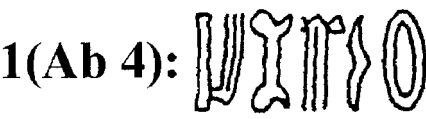


FIG. 1.

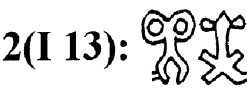


FIG. 2.

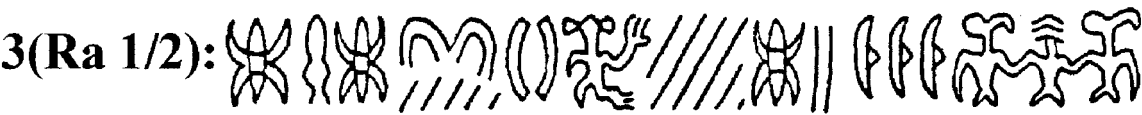


FIG. 3.



FIG. 4.

FIG. 1-4. of the final variant of the manuscript « Rongorongo Glyphs Clarity Easter Island Roen Drawings » by Sergei V. Rjabchokov.

are united by *Tiitii* [*Tiki*] or *Toiva*. The latter name may be split into the words *to* (cf. Samoan *to* '(of rain) to fall upon; to come upon') and *iva* (cf. Maori *hiwa* 'dark'). So this name means figuratively 'It is raining', and it is comparable with the name *Hiva Kara Rere* 'The Darkness — the wings are flying'. It is well to bear in mind that the sound *h* can be omitted in the Polynesian words, cf., e.g., Rapanui *hiva*, Marquesan, Mangarevan *hiva*, *iva* 'stranger'; Rapanui *tuhi* 'to alienate', *tui* 'to expel'; *hai*, *ai* 'to wrap up'; *hurihuri*, *uriuri* 'black, dark'; *hiri*, *iri* 'to elevate'; Niue *uhila*, Rapanui *uira* 'lightning'..

Now one can interpret the names *Tare* and *Tive*. The first name correlates with Maori *whakatare* 'to look intently', and the second name correlates with Maori *tive* 'to scream'. I think that the east ⁶ and north-west ⁷ winds are the incarnations of *Tare* and *Tive* respectively.

In the myth « *Ure-a-Oho-Vehi* and the two spirits » (Métraux, 1940 : 366 ; Fedorova, 1978 : 284) there are the following words : *Ka hau, e ka hau ngaehé. Ka hau te nukunuku Kavakava Aro, Kavakava a Tua...* 'May the wind blow, may the wind blow. May the wide extended (deities) *Kavakava Aro* and *Kavakava a Tua* ...' ⁸. Here the deities *Kavakava Aro* (*Kava Aro*) and *Kavakava a Tua* (*Kava Tua*) play roles of the deities (winds) *Tare* and *Tive*. Actually, the name (*Kava*)-*kava Aro* signifies 'The Ribs — the Face', this is a mark of the east wind ; the name (*Kava*)-*kava (a) Tua* signifies 'The Ribs — the Back' ⁹, this is a mark of the north-west wind. The connection of the names *Tive* (Maori *tive* 'to scream') and (*Kava*)-*kava (a) Tua* is quite possible because of the wordplay : cf. Rapanui *kekekeke* 'shout' and *keke* '(of the sun) to set'.

7. A turtle is incised at *Hanga Oteo* (Lee, 1992 : 48, fig. 4.3). Seven cupules (the seven stars = the Pleiades) and glyph 49 (*ariki*) *mau* are represented inside it. The parallel fragment is presented in an oral version of the *rongorongo* record « *Apai* » : *tuu hitu* (Thomson, 1891 : 518) 'the seven stars' ¹⁰. Two circles depicted on the border of the turtle sign denote glyph 60 *mata*. In compliance with the Tuamotuan and Easter Island beliefs (Lee, 1992 : 80 ; Rjabchikov, 1993c : 5, table 1 ; 1997a : 46), the Turtle is a

designation of the Pleiades. On the other hand, Hawaiian *Makali'i* [*Matariki*] 'the Pleiades' means literally 'Eyes/Face of the Chief' (Bec-kwith, 1970 : 367 ; Rjabchikov, 1998a : 73). Really, glyphs 60-49 *mata (ariki) mau* correspond to the term *Matariki*; this name is also registered on the Santiago staff (I 13), see fig. 2 (Rjabchikov, 1993c : 6, table 3). Below the turtle there are six lines which may be the signs of the nights/days or months (cf. Rapanui *tika* 'landmark', *titika* 'direct; direct line', Maori *totika* 'direct', *whakatika* 'to direct').

8. A comet with a long tail is carved at *Vai Atare* (Lee, 1992 : 160, fig. 5.33). This plot has been investigated by the author (Rjabchikov, 1997c). One can offer its alternative interpretation : glyph 5 *Atua* denotes the star Canopus, and glyphs 41 25 *Rehua* denotes the star Antares (Rjabchikov, 2000b ; 1999c). There are strong grounds for believing that the comet was indeed Halley's Comet of A.D. 837 or A.D. 1301 (I have used the *RedShift 2* computer program).

9. A *Vai Atare* panel contains many motifs (Lee, 1992 : 161, fig. 5.36). A comet with two tails is Halley's Comet of April 10, A.D. 837 (cf. Belyaev and Churyumov, 1985 : 26). Near this petroglyph there are three moons corresponding to glyphs 3 or 61 *hina* 'the moon', a frigate bird (cf. glyph 44 *taha*), a man together with four lines (the wordplay is quite possible : glyph 6 reads *ha*, and Rapanui *ha* means 'four') and a vulva (cf. glyph 110 *vie*) including eleven lines. The parallel record is presented on the Small Washington tablet (Ra 1/2), see figure 3: ... 7 73 7 124 57-6 ... 7 4 3 3 3 44 44 33 44 *Tuu He, tuu* « the two tails of Halley's Comet of April 10, A.D. 837 » ; *Tarahao ... Tuu Atua; hina, hina, hina, taha, taha, ua, taha...* 'The star *He* (Castor ? or Pollux ? of Gemini; a curved line of stars in Scorpius ?), the two tails of Halley's Comet of April 10, A.D. 837; the month *Tarahao* (March-April) ... the star Canopus; three nights (from the new moon of April 8 till April 10, A.D. 837)' ¹¹.

The text written down on the *Tahua* tablet (Ab 4) was partially decoded above. The full name of the deity *Kava Aro* is as follows (see fig. 4) : 4 32 138 26 50 115 44-14 7 73 7 *atuahua Kava maa hi*

6. Cf. Rapanui *matatohio* 'east wind' and Samoan *mata'upolu* 'ditto' including *mata* 'eye; face ; look'.

7. Cf. Rapanui *papakino* 'north-west wind', *papakina* 'to break ; to get broken; to clash', *kino* 'bad; evil'. It is known that when the north-west wind blows, a sound of the Trumpet of *Hiro* is akin to that of a trumpet is produced (Métraux, 1940 : 310).

8. Cf. Maori *nuku* 'to move; to extend; wide extent; distance'.

9. Cf. Rapanui *tua* 'back; behind', Samoan *tua* 'back; behind; beyond, outside'.

10. Cf. Old Rapanui *tuu* 'star'.

11. Cf. the name of the Rapanui statue *Tuu He* (Mellén Blanco, 1986 : 174). The star *He* (cf. Tahitian *he* 'crooked') may correspond to a curved line of stars in the Scorpius constellation, see Best, 1955 : 41, 57. Cf. also Rapanui *taha* 'to go hither and thither', Samoan *tafa* 'to be visible; to begin to ripen', Rapanui *taha* 'to tear', *tahanga* 'one, alone', *ua* 'residence', *hua* 'flower; fruit; to bloom; to sprout'.

taka ; *Tahau tuu*, *He tuu* 'the deity/dwelling 'The Ribs — the Shine/the Sun' ; {Castor ? and Pollux ?} or {Antares ? and the curved line of stars in Scorpius ?}'¹². Here the heliacal (morning) rising of these stars is described. The parallel fragment is presented in the folklore text « *Apai* » : ... *Tahau*; *te Nanai e oho*; *te Nanai e Rai*... (Thomson, 1891 : 518) '... Pollux ? (Castor ?; Antares ?) ; the Spider¹³ is going ; the Spider — the Sun... '.

I suppose that the sign (*Ha*) depicting a person and the four lines (*cf.* Rapanui *ha* 'four') inscribed on the panel denote the star Vega (Rjabchikov, 1999d). Then the three moons and the frigate bird correspond precisely to the *rongo-rongo* text; the eleven lines denote in my opinion the eleventh month, *Vaitu-nui* (April-May); furthermore, the three moons may denote April 8, 9 and 10, A.D. 837.

10. On a red scoria *pukao* (Van Tilburg and Lee, 1987 : 145, fig. 6) at *Ahu Akahanga* the following petroglyphs are depicted : a two-headed frigate bird (*taha*) as well as a frigate bird (*cf.* glyph 44 *taha*) connected with glyphs 3 *Hina* and 149 *Hatu*. The petroglyph resembling glyph 91 *taoraha* 'whale' is carved above the latter glyph. As the frigate bird is a symbol of the

supreme god *Makemake* (Métraux, 1940 : 314), the signs of the birds denote his name. As *Haua* is a local name of the moon goddess *Hina* (Rjabchikov, 1987 : 365), the symbols of the frigate birds and the moon designate the names of the permanent companions, deities *Makemeke* and *Haua* (Métraux, 1940 : 313-314). Moreover, the whale is another incarnation of the god *Make-make* (Rjabchikov, 2000c).

A frigate bird (*cf.* glyph 44 *taha*) is carved together with glyph 3 *Hina* at the statue quarry of *Rano Raraku* (Lee, 1992 : 21, fig. 2.4 : the left figure). In my opinion, they are the names of the sun god *Makemake* and moon goddess *Hina*.

11. On a red scoria *pukao* at *Ahu Vinapu* (Van Tilburg and Lee, 1987 : 145, fig. 7) there are petroglyphs some of which are lunate symbols and some others are boat ones. Interestingly, the place name *Vinapu* signifies 'The producing moon goddess *Hina*' (Rjabchikov, 1990 : 22). Besides, there are glyphs 108 *hiri* 'to elevate', (reversed) 3 *hina* (*Kokore*), 25 *Hua*, 4 *Atua*, 39 59 32 *Ra'a kau* ; they correlate with the nights of moon ages (the glyphs read from right to left). Seven cupules may denote the seventh month, *Koro* (December-January), or the Pleiades, and two big cupules may be the sun signs.

RÉFÉRENCES

- ÅKERBLOM, K., 1968. *Astronomy and Navigation in Polynesia and Micronesia: A Survey*. Stockholm: The Ethnographical Museum.
- BARTHEL, T.S., 1962. Easter Island Place-Names. *Journal de la Société des Océanistes*, 18 : 100-107.
- BECKWITH, M., 1970. *Hawaiian Mythology*. Honolulu: University of Hawaii Press.
- BELYAEV, N.A. and K.I. Churyumov, 1985. *Kometa Galleya i ee nablyudenie*. Moscow: Nauka.
- BEST, E., 1955. The Astronomical Knowledge of the Maori. *Dominion Museum Monograph No 3*. Wellington: R.E. Owen, Government Printer.
- BUCK, P.H. (Te Rangi Hiroa), 1966. *The Coming of the Maori*. Wellington: Maori Purposes Fund Board, Whitcombe and Tombs Ltd.
- ENGLERT, S., 1974. *La Tierra de Hotu Matu'a. Historia y etnología de la Isla de Pascua*. Santiago de Chile: Ediciones de la Universidad de Chile.
- FEDOROVA, I.K., 1978. Mify, predaniya i legendy ostrova Paskhi. Moscow : Nauka.
- GELL, A., 1993. *Wrapping in Images. Tattooing in Polynesia*. Oxford: Oxford University Press.
- HEYERDAHL, T., 1976. *The Art of Easter Island*. London : George Allen & Unwin.
- LEE, G., 1992. *The Rock Art of Easter Island. Symbols of Power, Prayers to the Gods*. Los Angeles : The Institute of Archaeology Publications (UCLA).
- , 2000. The Birds of Paradise. *Rapa Nui Journal*, 14 : 111-114.
- LILLER, W., 1993. The Monuments in the Archaeoastronomy of Rapanui. In: S.R. Fischer (ed.) *Easter Island Studies. Contributions to the History of Rapanui in Memory of William T. Mulloy*. Oxbow Monograph 32. Oxford: Oxbow Books, pp. 122-127.
- MELLÉN BLANCO, F., 1986. *Manuscritos y documentos españoles para la historia de la isla de Pascua*. Madrid : CEHOPU.
- MÉTRAUX, A., 1940. Ethnology of Easter Island. *Bernice P. Bishop Museum Bulletin 160*. Honolulu: Bernice P. Bishop Museum Press.

12. The star's name *Tahau* may be compared with the name *Hau* 'the star Antares (Alpha Scorpii)' (Rjabchikov, 1998b).

13. Cf. Hawaiian expression *Ke alanui o ke kuukuu* 'The great road of the spider = the ecliptic' (Åkerblom, 1968 : 15).

- POLINSKY, M.S., 1986. Mify, predaniya i skazki Zapadnoy Polinezii (ostrova Samoa, Tonga, Niue i Rotuma). Moscow : Nauka.
- RANDALL, J.E. and A. CEA EGAÑA, 1984. Native Names of Easter Island Fishes, with Comments on the Origin of the Rapanui People. *Occasional Papers of Bernice P. Bishop Museum*, Vol. XXV(12). Honolulu: Bernice P. Bishop Museum Press.
- RJABCHIKOV, S.V., 1987. Progress Report on the Decipherment of the Easter Island Writing System. *Journal of the Polynesian Society*, 96 : 361-367.
- , 1990. *Tayny ostrova Paskhi*. Vol. 1. Krasnodar: RIO.
- , 1993a. Rapanuyskie texty (k probleme rasshifrovki). *Etnograficheskoe obozrenie*, 4 : 124-141.
- , 1993b. Notes on the Easter Island Script. *L'Écho de Rapa Nui*, 6(24) : 22-23.
- , 1993c. *Tayny ostrova Paskhi*. Vol. 2. Krasnodar: Severny Kavkaz.
- , 1994. Notes on the Easter Island Script (part II). *L'Écho de Rapa Nui*, 7(26) : 7-8.
- , 1995a. Notes on the Easter Island Script (part IV). *L'Écho de Rapa Nui*, 8(32) : 4-5.
- , 1995b. On Inscription in a Basalt Slab. *L'Écho de Rapa Nui*, 8(30) : 19.
- , 1996. Toponimy ostrova Paskhi, svyazannye s kul'tom ptitsecheloveka. In: V.I. Tkhorik (ed.) *Otnositel'nost' abstraknykh realiy yazyka*. Krasnodar: Kuban State University, pp. 141-144.
- , 1997a. Rongorongo versus Kai-kai: A Second Look at Themes Linking Easter Island's Mysterious Script with Its String Figure Repertoire. *Bulletin of the International String Figure Association*, 4 : 30-55.
- , 1997b. [A Letter to the Editor]. *Rapa Nui Journal*, 11 : 165-166.
- , 1997c. A Key to the Easter Island (Rapa Nui) Petroglyphs. *Journal de la Société des Océanistes*, 104(1) : 111.
- , 1997d. A Key to Mysterious Easter Island Place-Names. *Beiträge zur Namenforschung. Neue Folge*, 32 : 207-210.
- , 1997-2001. *Rongorongo Home Page* on the World Wide Web: <<http://rongorongo.chat.ru/index.htm>>.
- , 1998a. Polynesian String Figures and Rongorongo: Additional Remarks. *Bulletin of the International String Figure Association*, 5 : 63-76.
- , 1998b. Rongorongo: The Milky Way and Antares. *Rongorongo, Easter Island Writing Home Page* : <<http://www.openweb.ru/rongo/art4.htm>>.
- , 1998-1999. Several *Rongorongo* Records (Symbolism of Archaic Beliefs). *AnthroGlobe Journal* : <<http://anthrolobe.com/bin/artdetail.cgi?ID=11>>.
- , 1999a. *Tangaroa* in the Inscription of the Chicago Fish Tablet. *Rapa Nui Journal*, 13 : 14-15.
- , 1999b. [A Review:] Fischer, Steven Roger, 1997. *Glyphbreaker*, New York, Copernicus. *Journal de la Société des Océanistes*, 108(1) : 168-169.
- , 1999c. The Rapanui Names of the Places and Statues. *Rongorongo, Easter Island Writing Home Page* : <<http://www.openweb.ru/rongo/art11.htm>>.
- , 1999d. Guy's Reviews Examined. *Rongorongo, Easter Island Writing Home Page* : <<http://www.openweb.ru/rongo/art10.htm>>.
- , 2000a. La trompette du dieu Hiro. *Journal de la Société des Océanistes*, 110(1) : 115-116.
- , 2000b. Astronomical and Calendar Records on *Rongorongo* Boards. *RONGORONGO, Easter Island Writing Home Page* : <<http://www.openweb.ru/rongo/art15.htm>>.
- , 2000c. The Symbolism of the Polynesian Art. *Rongorongo Home Page* : <<http://rongorongo.chat.ru/artrr4.htm>>.
- , 2001. On the Inscriptions of the Sydney and Avignon *Rei-miro*. *Rongorongo Home Page* : <<http://rongorongo.chat.ru/artrr6.htm>>.
- THOMSON, W.J., 1891. Te Pito te Henua, or Easter Island. Report of the United States National Museum for the Year Ending June 30, 1889. *Annual Reports of the Smithsonian Institution for 1889*. Washington : Smithsonian Institution, pp. 447-552.
- VAN HOEK, M., 2000. Fish Petroglyphs at 'Ava 'o Kiri, Rapa Nui: An Approximation of a Remarkable Rock Art Site at Easter Island. *Rapa Nui Journal*, 14 : 13-17.
- VAN TILBURG, J.A. and G. LEE, 1987. Symbolic Stratigraphy: Rock Art and the Monolithic Statues of Easter Island. *World Archaeology*, 19(2) : 133-149.